

*3/25/86*

PRELIMINARY ASSESSMENT  
NARRATIVE

Re: Marblecliff Quarries Dump  
AKA Marblecliff Quarries Sanitary Landfill  
OHD980510226  
Franklin County

February 6, 1986

The Marblecliff Quarries Dump is located in Norwich Township on Dublin Road, 3,700 feet north of Trabue Road and just west of the Scioto River. Surrounding land uses consist of active and abandoned limestone quarries, commercial and medium to low density residential.

The site is presently owned by Kaufman Investment Company of Columbus, Ohio and is part of a land parcel leased by American Aggregates for mining of limestone. Medussa Aggregates leased the property before Amercian Aggregates. Prior to its use as an area landfill, the site was a limestone quarry. It is believed this site is not in use at the present time.

Two 103(c) notifications were filed for the site; one by Columbus Coated Fabrics indicating organic and inorganic materials, heavy metals, paints and pigments were disposed of on the site. The other notification was by Kaufman Investment Company and indicates approximately 100 tons of those materials listed in Attachment A (from the Eckhardt Survey) are known to have been deposited on the site. Both 103(c) notifications indicate the site was used between 1950 and 1961. Columbus Coated Fabrics, now owned by Borden, Inc. was owned previously by Kaufman Investment Company.

Few records exist indicating the quality of the site for a landfill or the quality of the operation of the landfill. Records do indicate the site was used as a sanitary landfill and was prohibited from use for disposal of flammable liquids, explosives, sewage and other hazardous substances. A 1969 Ohio Department of Health inspector report on the landfill (in operation at the time) indicates earth and waste limestone were used as cover materials. It is believed this cover is similar to the flume sand which has limitations to preventing movement of leachate from landfills.

Site investigations of proposed landfills in quarries just west and south of the site indicated these sites to be generally unsuitable for development of sanitary landfills. The jointed-fractured nature of the underlying limestone may allow easy leachate movement from landfills on these sites. An investigation report (June 13, 1973) for a site just west of McKinley road indicates the water table gradient is toward the Scioto River. It is believed these same conditions exist at the Marblecliff Quarries Dump site. The same 1973 report also stated water well pumpage could alter the water table gradient possibly causing contamination of area wells. However, Ohio EPA believes only a handful of wells still exist in the area and most residences are on the Columbus Water System. The Groundwater Resources of Franklin County, Ohio (1958) indicates at the time of publication most wells in the vicinity drew from the limestone bedrock. Groundwater is obtained predominately from the Devonian and Silurian limestone and dolomite, with expected yields up to 175 gpm from the Devonian limestone.

US EPA RECORDS CENTER REGION 5



466362

The Scioto River is used as a Public Water supply for the City of Columbus. The Dublin Road Water Treatment Plant (serves 250,144 people) draws water approximately four stream miles downstream of the landfill site.

Due to the potential for contamination of the Columbus Water Supply at the Dublin Road Water Treatment Plant, Ohio EPA recommends this site receive a high priority for both U.S. EPA and Ohio EPA action.

Prepared By:



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Division of Solid & Hazardous  
Waste Management  
Central District Office

Reviewed By:



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Waste Management  
Central District Office

WMS/sc

1034T/32-33



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
OH D980510226

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Marblecliff Quarries Dump		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Dublin Rd North of Trabue Rd	
03 CITY Columbus	04 STATE OH	05 ZIP CODE Franklin	06 COUNTY Franklin
09 COORDINATES LATITUDE N 39 59 58.2		LONGITUDE W 83 05 00.2	
10 DIRECTIONS TO SITE (Starting from nearest public road) From Columbus take S. 33 northwest to Trabue Rd; turn left (west); turn north (right) onto Dublin Rd.; Right side, 3700 ft north of Trabue Rd.			

III. RESPONSIBLE PARTIES

01 OWNER (if known) Kaufman Investment Company		02 STREET (Business, mailing, residential) 2151 E. Dublin-Granville Road Suite B-283	
03 CITY Columbus	04 STATE OH	05 ZIP CODE 43229	06 TELEPHONE NUMBER (614) 899-1229
07 OPERATOR (if known and different from owner)		08 STREET (Business, mailing, residential)	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: (Specify) <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: MONTH DAY YEAR <input checked="" type="checkbox"/> B. UNCONTROLLED WASTE SITE (RCRA 103(c)) DATE RECEIVED: 6/9/81 7/23/81 <input type="checkbox"/> C. NONE			

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 9/10/85 (OEPA) <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: (Specify)	
CONTRACTOR NAME(S):			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR 1950 ENDING YEAR 1974 <input type="checkbox"/> UNKNOWN	

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

See attached list: Attachment A

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

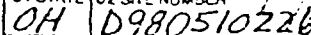
Groundwater contamination and contamination of the Columbus surface water supply at the Dublin Road Water Treatment Plant.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste information and Part 3 - Description of hazardous conditions and incidents) <input checked="" type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposal form)			
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VI. INFORMATION AVAILABLE FROM

01 CONTACT William M. Schneider	02 OF (Agency/Organization) Ohio EPA, Div. Solid Haz. Waste Mgt.	03 TELEPHONE NUMBER (614) 466-8934
04 PERSON RESPONSIBLE FOR ASSESSMENT Same	05 AGENCY	06 ORGANIZATION
07 TELEPHONE NUMBER ( )		08 DATE 2/6/86 MONTH DAY YEAR



☐ I. HIGHLY VOLATILE  
☐ J. EXPLOSIVE  
☐ K. REACTIVE  
☐ L. INCOMPATIBLE  
☐ M. NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
OH D980510226

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: NONE) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: UNKNOWN 04 NARRATIVE DESCRIPTION

*Most people in immediate area are on the Columbus City water system.*

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: NONE) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 250,144 04 NARRATIVE DESCRIPTION

*Dublin Road WTP is 4.0 stream miles downstream of site*

01 ☐ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE:                     ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED:                      04 NARRATIVE DESCRIPTION

*UNKNOWN*

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE:                     ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED:                      04 NARRATIVE DESCRIPTION

*UNKNOWN*

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE:                     ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED:                      04 NARRATIVE DESCRIPTION

*UNKNOWN*

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: NONE) ☒ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: 35 (ACRES) 04 NARRATIVE DESCRIPTION

*Represents approximate size of landfill*

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: NONE) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 250,144 04 NARRATIVE DESCRIPTION

*Dublin Road WTP is approximately 4.0 stream miles downstream of site*

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE:                     ) ☐ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED:                      04 NARRATIVE DESCRIPTION

*UNKNOWN*

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE:                     ) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED:                      04 NARRATIVE DESCRIPTION

*UNKNOWN*



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH D980510226

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include names of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoffs/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

Site is unsuitable for a landfill.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

UNKNOWN

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL OR ALLEGED HAZARDS

UNKNOWN

III. TOTAL POPULATION POTENTIALLY AFFECTED: 250,199

IV. COMMENTS

V. SOURCES OF INFORMATION (Give specific references e.g. state test, sample analysis, reports)

See Sources part IV.